

**REPORT OF ACTIVITIES
OF THE
DEPARTMENT OF WATER RESOURCES**

by

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WATER CONDITIONS

As of January 31, 2009, statewide hydrologic conditions were as follows: precipitation, 65 percent of average to date; runoff, 35 percent of average to date; and reservoir storage, 65 percent of average for the date. The snowpack was at about 60 percent of its average value for the date. Sacramento River unimpaired runoff observed through January 31, 2009 was about 2.1 million acre-feet (MAF), which is about 36 percent of average. (On January 31, 2008, the observed Sacramento River unimpaired runoff through that date was about 2.9 MAF or about 51 percent of average.)

For California statewide, January 2009 was the eighth driest January on record, with precipitation at about 30 percent of average for the month. In general, temperatures were significantly above average. On February 1, 2009, the Northern Sierra 8-station Precipitation Index had accumulated a seasonal total of 17.7 inches, which is 66% of the seasonal average to date and 35% of an average Water Year (50.0 inches). During January 2009, the 8-Station Index received only 3.1 inches, about 34% of average. Last year at this time, the 8-Station Index had 25.1 inches for the seasonal total.

Selected Cities Precipitation Accumulation as of 2/01/2009 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2008 - 2009 (in inches)	% Avg	Jul 1 to Date 2007 - 2008 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2008 - 2009
Eureka	13.76	62	26.10	118	36
Redding	8.39	46	19.76	108	25
Sacramento	6.14	62	11.81	118	34
San Francisco	5.70	50	13.25	117	28
Fresno	3.72	66	6.00	107	33
Bakersfield	2.07	67	1.50	48	32
Los Angeles	4.52	66	7.95	117	34
San Diego	6.13	111	5.53	100	57

Key Reservoir Storage (1,000 AF) as of 2/01/2009								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	982	1,766	56	2,448	40	---	1,466
Shasta Lake	Sacramento	1,416	3,141	45	4,552	31	-2,434	3,136
Lake Oroville	Feather	1,022	2,388	43	3,538	29	-2,141	2,516
New Bullards Bar Res	Yuba	477	583	82	966	49	-319	489
Folsom Lake	American	247	517	48	977	25	-330	730
New Melones Res	Stanislaus	1,169	1,393	84	2,420	48	-801	1,251
Don Pedro Res	Tuolumne	1,101	1,387	79	2,030	54	-589	929
Lake McClure	Merced	285	502	57	1,025	28	-389	740
Millerton Lake	San Joaquin	230	340	67	520	44	-191	290
Pine Flat Res	Kings	229	480	48	1,000	23	-511	771
Isabella	Kern	125	169	74	568	22	-120	443
San Luis Res	(Offstream)	704	1,631	43	2,039	35	---	1,335

STATEWIDE FLOOD PLANNING OFFICE

Team Coordination – Project Delivery Team meetings were held on the Central Valley Flood Protection (CVFPP) and Flood Control System Status Report (FCSSR) in mid-January. Focus of the CVFPP PDT was on project reporting formatting and public outreach and for the FCSSR, focus was on the upcoming draft report scheduled for mid February 2009.

Project Scoping and Management Planning – Drafts of the Project Scoping Document (PSD) and draft Project Management Plan (PMP) for the Central Valley Flood Management Planning (CVFMP) program and CVFPP were reviewed and revisions underway.

Stakeholder/Partner Coordination – On January 13 and 14 workshops were held to present to leadership from DWR, CVFPB, and the Corps the recommended strategy for communications among FloodSAFE/IWM and CVFMP programs/projects and other related projects. Coordination topics ranged from program scope, to communications strategy, approach, and procedures, to understanding communications engagement activity understanding.

Stakeholder/partner interviews to inform development of the communication and engagement strategy for the CVFMP were initiated in late January. On January 22, 2009, a notification email was distributed to approximately 100 stakeholders/partners selected for interview in connection with the CVFMP Program.

CVFPP staff met with the Sacramento Valley Flood Control Action Workgroup (SVFCAW) on 3 February. The SVFCAW is a partnership of urban and agricultural interests to assist in formulation of a regional flood protection and risk management plan for the Central Valley. Meeting focused on coordinating a white paper being developed by the group and its relationship to the CVFPP.

State-Federal Study Cost Sharing – Coordination was initiated between DWR and South Pacific Division Corps management regarding the scope and requirements of mutual participation in the CVFPP and reinitiation of the Sacramento/San Joaquin River Basins Comprehensive Study (likely to be renamed to the Central Valley Integrated Flood Management Study (CVIFMS) by DWR and the Corps. DWR and Corps staff coordinated the potential content of cost sharing documentation for the further efforts on the CVIFMS.

FLOODPLAIN MANAGEMENT BRANCH

Senate Bill 5 Building Codes Project

The Building Standards Code Update Project team recently held two public meetings to inform the public of the project's context and progress to date. The project team obtained public input on the threat identification process, the team's identified "chief" threats (the most egregious flood threats to public safety), and the possible solutions to those chief threats. These meetings were held in Sacramento on January 21st and in Modesto on January 26th. The project team is currently developing documentation of why these threats are chief threats and the systematic approach that the team recommends to arrive at the preferred solution that will be proposed to the California Building Standards Commission. These items were discussed with the Technical Advisory Committee, including additional technical experts, at their meeting on February 10, 2009.

Central Valley Flood Protection Board Supervising Engineer Dan Fua is a member of the TAC. Project details can be accessed at:

www.water.ca.gov/BuildingCodeUpdate

Alluvial Fan Task Force

DWR is the Chair of the Alluvial Fan Task Force. The mission of the Alluvial Fan Task Force (AFTF) is to examine the state of knowledge regarding alluvial fans, assess the flood risk and other factors associated with development on alluvial fans, develop strategies that reduce the flood hazards, and address the beneficial water resource functions of alluvial fans. Over the past 13 months the AFTF has completed extensive studies and analysis of the history, geology, environmental resources, flood management and flood risk factors, the multiple benefits associated with alluvial fans, and the issues related to development on alluvial fan areas.

Current work is focused on documenting the Task Force findings including the development of planning tools and a model ordinance for local government use. The following draft reports are being prepared and are scheduled to be completed by April 2009: AFTF Planning Manual for Development on Alluvial Fans, draft Model Ordinance Governing Proposed Development on Alluvial Fans, and the AFTF Recommendations Report.

In April 2009 a 45-day public review period will commence to obtain stakeholder comments. The final reports are scheduled for completion by June 2009. The AFTF was authorized by Assembly Bill 2141 and funding was provided by a FEMA Pre-Disaster Mitigation Planning grant and is cost-shared by DWR.

FLOOD PROJECT INSPECTION SECTION

DWR has released results of the fall 2008 levee maintenance inspections. The fall results and annual ratings have been mailed to the 106 Local Maintaining Agencies (LMAs) in the State-Federal Flood Project System in the Central Valley and have been submitted to the Central Valley Flood Protection Board and the U.S. Army Corps of Engineers (Corps).

Overall ratings improved markedly from 2007 to 2008 as shown in the table below. Only two LMAs received a lower rating in 2008 than in 2007. The total mileage of maintenance deficiencies in the system has also been significantly reduced.

	LMA Overall Ratings	
	2007	2008
LMAs rated A = Acceptable	25	42
LMAs rated M = Minimally Acceptable	18	25
LMAs rated U = Unacceptable	64	39
Total miles of Maintenance Deficiencies: M miles, U miles	M = 893, U = 101	M = 329, U = 58

This updated inspection system began in 2007 with the implementation of new criteria for vegetation, encroachments, and boat survey erosion and the creation of an overall rating methodology based on the percentage of overall LMA length with maintenance deficiencies. The 2008 inspection used the same criteria and methodology.

We are developing the 2008 Annual Inspection Report, which we expect to complete and publish in March 2009.

FLOOD OPERATIONS BRANCH

Flood Operations Center (FOC)

The joint State-Federal Flood Operations Center (FOC) has been or is currently involved in the following related emergency preparedness and response activities:

Medford Island

- On Saturday, January 24, 2009 the Flood Operations Center (FOC) Duty Monitor was contacted by the San Joaquin County Operational Area regarding a potential levee failure on Medford Island. The Flood Operations Branch (FOB) Flood Fight Specialist Rick Burnett was immediately dispatched to meet with a Reclamation District 2041 (RD) engineer to investigate. It was determined that a hole in the levee had formed due to burrowing animals. The repairs, performed by placing rock and soil on the landside of the levee, were started by the Dutra Group on Sunday, January 25, 2009 and completed Monday, January 26, 2009.

Mutual Aid Region Advisory Committee (MARAC)

- FOC staff attended the following MARAC meetings:
 - January 7, 2009: Region III, Red Bluff, Ca.
 - January 14, 2009: Region IV, Mather, Ca.
 - January 21, 2009: Region V, Clovis Ca., the FOC was represented by San Joaquin District Office.

Flood System Analysis Section

Vulnerability Assessment

The Flood System Analysis group continues to work with the Flood Project Integrity and Inspection Branch to develop a tool that will utilize all data being collected by DWR (related to the flood control system), using a majority of that data to assess and rate the system to identify weak points. Data continues to go through the QA/QC process, and the template for the database is being developed in Excel. A Proposal is being developed for management review which will document the overall picture for the project and include the goals, purpose, objectives, and details on the tool, sources of information, schedule, and reporting results.

State Emergency Action Team (SEAT) Reports

As of January 31, staff within the Flood Operations Branch have finished summarizing key information (contacts, impacted areas within watershed, and risks to life/property/infrastructure) for the following SEAT reports: Basin, Butte, Gap, Mendocino, Piute, Shasta, Summit, and Telegraph. Staff are working on the following reports: Freeway, Marek, Sayre, Sesnon, and Tea. Once finished, a binder will be compiled with the documentation from each fire. The binder will serve as a reference to determine potential impacts associated with future storms within the burned areas.

Decision Support Section

Modernization of the Division of Flood Management's Web Portal

Staff continued to maintain the Division of Flood Management's web portal by posting updates for the following programs:

- Building Standards Code Update, Levee Repairs and Floodplain Management Office
- State Climatologist's Monthly Climate Summaries and Monthly Weather Summaries, Hydrology and Flood Operations Office
- State Meteorologist's Monthly Weather Summaries, Hydrology and Flood Operations Office
- Interim Guidelines for Funding Delta Levee Special Flood Control Projects, Delta Suisun Marsh Office

In addition, staff also posted updates to the FloodSAFE web portal meeting calendar.

The Division of Flood Management's web portal supports the FloodSAFE goal to inform and educate the public on flood emergencies and response. Both the Division of Flood Management's web portal and the FloodSAFE web portal are integrated into the Department of Water Resources portal to be compliant with State portal standards.

Modernization of the Flood Operations Center Information System (FOCIS)

Staff are holding regularly scheduled Flood Operations Center Information System (FOCIS) workgroup meetings, which started in January 2009, in order to gather and incorporate more in-depth comments from users before FOCIS's Alpha-release. Staff continue to incorporate feedback from Hydrology and Flood Operations Office (HAFOO) staff into the design of the user interface and the system features of the new FOCIS.

FOCIS is the State-Federal Flood Operations Center (FOC)'s Information System used for State-mandated tracking of the Department's response to water-related incidents and emergencies. Modernizing FOCIS supports the FloodSAFE goal to maintain operational readiness of a Flood Response Decision Support System that tracks and archives the Department's response to flood emergencies and other incidents.

Modernization of the FOC Geographic Information System (FOC GIS)

Staff are currently conducting FOC training sessions on GIS tools and creating maps for emergency response. Sessions have been held on 1/28/09 and 1/30/09, and additional sessions are scheduled for 2/10/09 and 2/17/09.

FOC GIS is part of a group of decision support tools used by the Flood Operations Center to respond to water-related incidents and emergencies. Modernizing the FOC Geographic Information System supports the FloodSAFE goal to develop and maintain operational readiness of geographical information system interface for use in real-time applications.

Modernization of the Flood Operations Center IT Assets

As of February 4, 2009 approximately 136 users are signed up for webcasts of the Weather/Hydrology Briefings. Weather/Hydrology Briefings are generally conducted during flood season to keep emergency response partners informed of any potential flooding or conditions of concern.

Providing these webcasts supports the FloodSAFE goal to expand web-based weather briefing access to additional local, State, and federal agencies. Also, the section continued to maintain IT assets for the Flood Operations Center and provide first-level PC support to the Flood Operations Branch.

Emergency Response and Security Section

- Updated the flood-related portion of DWR's 3-year exercise plan for submission to Cal-EMA. The plans are used by Cal-EMA primarily to request grant funds from the federal program, but they are also used to coordinate exercise opportunities between agencies, maximize grant fund usage. This update reflects the new move to additional smaller exercises and drills that have a more specific focus. Rather than generic exercises that test the entire process and, due to logistical limitations, cannot include the entire response team, this will allow us to target specific needs and increase exposure to more of the responders. These items become more important as we seek to expand our trained responder base and need to provide practical opportunities to practice learned skills. Some of these categories include regions (North Coast, Delta), tools (FOCIS), plans (Delta EOP, DWR ERP), and equipment (communications trailers, radios, Stockton conveyor). Additional staff have been hired to assist with exercise and training development.
- Staff are in the process of implementing a field exercise to test and train Incident Command Teams. The exercise will take place in early March in the Delta area and in coordination with: the California Conservation Corps; California Emergency Management Agency, Inland Region; USACE, Sacramento District, Emergency Operations; and Sacramento County Office of Emergency Services.

FLOOD PROJECT MODIFICATIONS & PERMITS BRANCH

Early Implementation Program (EIP)

The four EIP projects shut down in November for the duration of the flood season. At this time, it is unknown what impact the State budget situation (and associated uncertainty of bond fund cash flow) will have on these ongoing projects. All four projects would need additional funding by next construction season to stay on task and complete the projects by the end of October 2009, as planned. As we get closer to the new construction season, Fund recipients are evaluating their financial capability to continue the project without any guarantee of when the State cost share will be available.

The final EIP Guidelines, along with the EIP Proposal Solicitation Package has been posted on the FloodSAFE website. The deadline for EIP competitive applications for \$163 million funding is March 2, 2009. A well-attended public workshop was held on January 20, 2009. SAFCA and WSAFCA are working on submittals for the two EIP Capital Outlay projects totaling \$230 million. Preliminary submittal from SAFCA is currently under review.

Three Rivers Levee Improvement Authority (TRLIA) –All construction activities have stopped for the season. DWR EIP program staff are working with TRLIA on a land acquisition, which was affected by waste discharge from a pear processing facility. DWR tested the soils to verify the impact of the discharges before making a final determination. Program staff is reviewing the soil test results with DFM Environmental. The staff are also in communication with the State Water Quality Control Board regarding changes to the permit issued for discharge.

Sacramento Area Flood Control Agency (SAFCA) – All construction activities for this year have been completed. SAFCA is budgeted to receive funding (\$193.3M) for FY 08/09 project under EIP Capital Outlay. Now that the EIP Guidelines are finalized, program staff are working with SAFCA to provide feedback on preliminary submittals in order to get all the necessary documentation to initiate the Funding Agreement. The new funding agreement for EIP Capital Outlay may not be approved until the budget issues are resolved.

Reclamation District 2103 (RD 2103) – RD 2103 has requested an increase in State funding for this project from \$14.7 million to \$18.2 million. The additional \$3.5 million is needed to cover eligible costs which exceed the current maximum authorized by the Funding Agreement. An amendment to the Funding Agreement has been prepared to provide additional funding from FY 08/09 EIP Competitive Budget. The amendment is now on hold until the budget issues are resolved.

Levee District No. 1 of Sutter County (LD1) – LD1 is finalizing their environmental compliance documentation with construction scheduled to start next spring. A permit with CVFPB is pending approval for the required relocation of the irrigation pipes. Real estate parcel acquisitions are continuing over the winter. Payments for three of the five properties have been processed, but not yet paid. Also a request for reimbursement for design activities will be processed, as soon as DWR receives the required submittals.

West Sacramento Area Flood Control Agency (WSAFCA) – The I Street Bridge levee work is complete. Now that the EIP Guidelines are finalized, Program staff are working with WSAFCA to gather the necessary documentation to initiate the Funding Agreement. The funding agreement will not be approved until the budget issues are resolved.

Reclamation District 17 (RD 17) – RD 17 is progressing on a non-EIP funded project permitted last month by CVFPB. DWR reviewed documentation submitted by RD-17 to support their EIP program application. The project is lacking a number of studies and reports outlined in the draft EIP Guidelines. Program staff sent a letter outlining such deficiencies, especially the environmental compliance documentation. Compliance with all EIP Guidelines is necessary for RD-17 to be able to compete for any portion of the \$163 million EIP Competitive funding.

INCLUDED FOR REFERENCE:

Project funding for the four EIP projects currently approved are (no change in these numbers due to current bond fund freeze):

- Three Rivers Levee Improvement Authority: Feather River Levee Improvement Project – Total cost: \$191.4 million, estimated maximum State cost share: \$138.5 million (72.4 percent). State share paid to date: \$79.25 million.
- Sacramento Area Flood Control Agency: Natomas Levee Improvement Program (NLIP) Early Start Program – Total NLIP cost \$223.5 million; total cost of Natomas Cross Canal South Levee element of NLIP: \$73.4 million; estimated maximum State cost share: \$49 million (70 percent). State share paid to date \$4.74 million.
- Reclamation District No. 2103: Bear River North Levee Rehabilitation Project – Total cost: \$14.7 million, estimated maximum State cost share: \$7.35 million (50 percent). State share paid to date \$4.68 million.
- Levee District No. 1 of Sutter County: Lower Feather River Setback Levee at Star Bend – Total cost: \$20.78 million, estimated maximum State cost share: \$16.33 million (78.6 percent). State share paid to date: none

LEVEE REPAIRS BRANCH

Sacramento River Bank Protection Project (SRBPP)

A total of 34 sites are under design for the Year 2009 and 2010 construction. The Land and Right of Way access and protection issues related to intakes, decks, cables and other infrastructure at 13 sites totaling about 9,000 lineal feet have been resolved. These 13 sites will be repaired during this year. The remaining sites make up 6,650 lineal feet left in this program and will be completed in Calendar Year 2010.

Eminent Domain Resolution of Necessity for Cache Creek sites LM 3.9L and 4.2L land acquisition was passed by the Central Valley Flood Protection Board at the January Board meeting.

2008 scheduled construction repairs to all eight sites (American River 0.3L and 2.8L, Sacramento River 49.7L, 52.3L, 53.5R and 177.8R, Cache Slough 21.8R, and Steamboat Slough 16.6R) have been completed.

San Joaquin River Flood Protection Project

Structural rock and landscaping work on all three sites (San Joaquin River Mile 42.3R, Paradise Cut Levee Mile 3.8L and Mormon Slough Levee Mile 11.8R) has been completed except some plantings at the lower bank on San Joaquin River Mile 42.3. This site requires adjustments to the lower rock bench and remaining plantings will be completed in spring, 2009.

Engineering design and environmental assessment work for 5 sites repairs during the next year is in progress. Consultations with agencies regarding permitting of these five construction sites are ongoing. DWR staff gave agencies a field tour of these sites. The regulatory agencies have requested DWR to prepare Programmatic Environmental documentation of the future levee repairs projects on a long-term basis. Also, two Policy papers for State/Local cost sharing arrangements for future erosion and underseepage repairs were presented to the FloodSAFE Management Team approval on January 26, 2009.

2006 Public Law (PL) 84-99 Rehabilitation Assistance Program

Repairs completed in 2009 included 127 flood damaged sites and a major slurry wall project on the Chowchilla Bypass Left Bank in the Lower San Joaquin Levee District. Work on Project Information Reports (PIR's) and detailed engineering and environmental designs for the remaining 34 sites are in progress.

Seventeen sites in RD 150 are being monitored for maintenance by RD 150. The Division of Flood Management Fall Inspection Report has given a minimally acceptable rating to RD 150 for its maintenance work in 2008. If RD 150 meets all maintenance requirements during the spring 2009 inspection, these sites will be included in next year's repair program.

URBAN LEVEE EVALUATIONS PROJECT

The Urban Levee Evaluations Branch was originally charged with performing geotechnical evaluations on approximately 350 miles of project urban levees. Recently, approximately 120 miles of non-project urban levees were added to the scope of work. An urban levee is defined as protecting at least 10,000 people. Levee evaluations focus on urban levees in the geographic areas of Reclamation District (RD) 17, RD 404, Natomas, West Sacramento, Marysville, Woodland, Davis, Stockton, MA9, American River, Sacramento, the Sutter Basin, and RD 784.

The purpose of these evaluations is to support the Central Valley Flood Management Planning (CVFMP) and other flood management related programs by determining if these levees meet defined geotechnical criteria and, if appropriate, identify remedial measure(s) to meet those criteria. This evaluation will be conducted with the goal of providing 200-year protection for urban areas using the DWR and the Corps levee design criteria.

General

1. The State's budget crisis has resulted in halting authorization of all new task orders. Only existing task orders may be worked on. This will result in project delays and may affect the Levee Evaluations Branch's ability to review local agency and Corps projects as well as to support preparation of the State Plan of Flood Control.
2. The Levee Evaluations Branch continues to work closely with RD 17, Natomas (SAFCA and RD 1000), Three Rivers, West Sacramento, and others within the Department and the Corps to review issues concerning early implementation projects.
3. At the request of CVFP Board Chief Engineer Gary Hester, the Levee Evaluations Branch continues to support the Central Valley Flood Protection Board in assessing a crack in segment 1 of the Feather River levee across from Star Bend. This crack was first observed after slurry wall construction was completed. At this time, winterization measures and additional explorations and characterization of this area was recommended.
4. Weekly coordination meetings with the Corps continue so that subsurface explorations plans are approved in advance of work and efforts are not duplicated.
5. The March 2009 Independent Consulting Board meeting is cancelled due to the State's budget crisis. This cancellation is severely impacting our work as work dependent on their review and comment will be on hold indefinitely.

The work performed in January 2009 is broken into three geographic urban levee areas of North, Central, and South is as follows:

North Urban

1. Sutter Basin: The Corps finished reviewing the Draft Phase 1 Geotechnical Evaluation Report (P1GER) and URS will incorporate all review comments from the various agencies. The report will be finalized in March 2009. URS is continuing the preparation of the Supplemental Geotechnical Data Report (SGDR). Due to the budget situation and the inability to issue new task orders or amend existing ones, all work on the Sutter SGDR will be on hold indefinitely starting at the end of February, 2009.
2. Marysville: Work on the draft Supplemental Geotechnical Data Report (SGDR) is continuing and should be submitted to DWR as a Draft in March 2009.
3. RD784: The draft Supplemental Subsurface Investigation Work Plan has been reviewed DWR and Corps. Comments have been provided to URS. US will modify the SWP. DWR at the request of the Central Valley Flood Protection Board is continuing to monitor GEI/TRLIA mitigation measures associated with the slope failure in Segment 1 along the Feather River.

Central Urban

1. West Sacramento: The draft SGDR for West Sacramento is underway and is expected to be delivered to DWR in the near future.
2. Sacramento River (between the American River and Freeport): The draft P1GER for Sacramento River was delivered to DWR during the month of October 2008. The draft P1GER report is currently undergoing an internal DWR QA/QC process and Corps review. Due to the budget situation and the inability amend existing task orders, all work on the Sacramento River P1GER will be on hold indefinitely starting at the end of February, 2009. The draft final P1GDR report for Sacramento River levees is expected to be delivered to DWR in February 2009.
3. NEMDC: The final P1GDR report for NEMDC-East levees was delivered to DWR in November 2008. A draft P1GER for NEMDC-East levees is currently underway and will incorporate field investigations from SAFCA's exploration plan prior to its expected release to DWR in February 2009. The final P1GDR report for NEMDC-West levees was delivered to DWR in November 2008. A draft P1GER for NEMDC-West levees is expected to be delivered to DWR in February 2009. Most of the NEMDC work is on hold due to the budget crisis.

4. Natomas North, West, and South (NWS): The draft (Technical Review Memorandum) TRM for Natomas NWS, which encompasses previous studies completed on behalf of SAFCA, USACE, and DWR, was delivered to DWR in September 2008. This report is currently undergoing an internal DWR QA/QC process and Corps review.
5. Natomas NLIP: Levee Evaluations is reviewing the draft NLIP documents provided by SAFCA. Draft comments on critical issues will be presented on February 9, 2009 and draft overall comments will be presented on February 20, 2009.
6. American River: A draft SGDR for the American River levees is underway and is expected to be delivered to DWR in the near future. The final TRM for the American River levees is expected to be delivered to DWR in the near future.
7. Davis: The analysis approach is currently being revised to eliminate the need for the P1GER and better inform the GER. Until this approach is finalized, additional work is currently on hold. DWR met with the FloodSAFE Yolo Pilot Program on January 8th, 2009 to provide an update and to coordinate objectives.
8. Woodland: The analysis approach is currently being revised to eliminate the need for the P1GER and better inform the GER. Until this approach is finalized, additional work is currently on hold. DWR met with the FloodSAFE Yolo Pilot Program on January 8th, 2009 to provide an update and to coordinate objectives.

South Urban

1. Due to the budget situation and the inability to issue new tasks orders or amend existing ones, all work on the RD 404 P1GER and the RD 17 SGDR is on hold indefinitely.
2. SJAFCA: The Draft P1GER for the Calaveras River Drainage was delivered to DWR in August 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments and will be issued to DWR in draft form for internal review in March 2009.
3. SJAFCA: The Draft P1GER for the Bear Creek Drainage was delivered to DWR in September 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments and will be issued to DWR in draft form for internal review in March 2009.

4. RD 404: The Draft P1GER for RD 404 was delivered to DWR in September 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments.
5. RD 17: The draft Supplemental Geotechnical Data Report (SGDR) for RD-17 was delivered to DWR in late November 2008. This report is undergoing an internal DWR QA/QC process and USACE review.
6. Greater Stockton Area Urban Non-Project Levees: Field exploration continued in January 2008. CPT exploration was completed at Rough and Ready Island. Mud rotary borings and piezometer installations were completed at Rough and Ready Island in late January 2009. CPT, mud rotary borings and piezometer installations are scheduled for RD 1608, RD 404 and Smith Canal in February. A meeting on January 20th, 2009 was held to update SJAFCA and other local stakeholders on the urban levee evaluation progress in the greater Stockton Area.

NON-URBAN LEVEE EVALUATIONS PROJECT

The Non-urban Levee Evaluations Branch was created to perform geotechnical levee evaluations on about 1,250 miles of non-urban State/Federal project levees. A non-urban levee is defined as protecting 10,000 or less people. The project focuses on the non-urban State/Federal project levees in the Sacramento River and the San Joaquin River flood control systems. This project is in the process of expanding to include the 388 miles of appurtenant non-project levees.

The purpose of these evaluations is to support the Central Valley Flood Management Planning (CVFMP) and other flood management related programs by determining if these levees meet defined geotechnical criteria and, if appropriate, identify remedial measure(s) to meet those criteria. This evaluation will be conducted with the goal of providing the design profile level of protection in non-urban areas using the DWR and the Corps levee design criteria.

Activities in January 2009:

1. The State's budget crisis has resulted in halting authorization of all new task orders. Only existing task orders may be worked on. This will result in project delays and may affect levee evaluations ability to support the State Plan of Flood Control.
2. DWR and Corps legal staff continued discussion regarding the DWR Letter of Agreement (LOA) with the Corps; the purpose of this LOA is to get Corps' support in the levee evaluations projects.

3. Project management plan development continued.
4. Development of a Process Activity Tool (workflow documentation) continued.
5. Geomorphic studies for the Sacramento and San Joaquin River flood control systems continued. Geomorphic studies level 2-I was presented as a stage gate exercise. DOE, in charge of QA/QC, reviewed and commented on the submittal. Guidance was provided to consultants as to the next steps to be taken for the remaining phase 1 evaluation work.
6. Kleinfelder team continued field reconnaissance work and meeting with local agencies to investigate levee historical performance and gather other available data for the San Joaquin River flood control system; URS team are wrapping up the same efforts for the Sacramento River flood control system.
7. Prepared numerous financial reports pertaining to Bond funded contracts to respond to inquiries stemmed from the budget crisis.